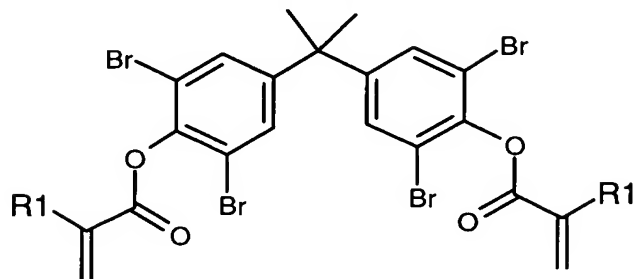


What is claimed is:

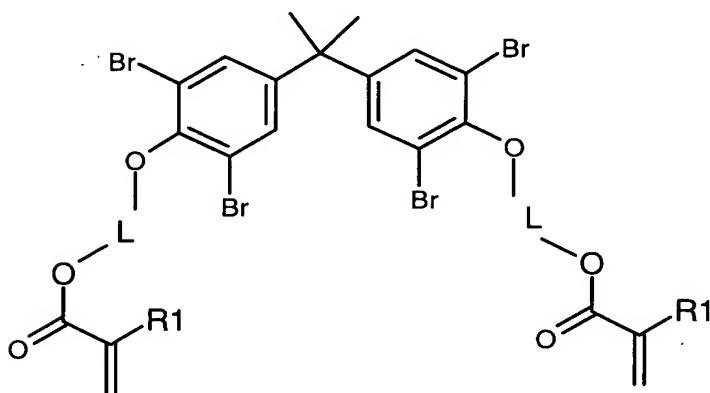
1. A brightness enhancing film comprising the reaction product of a composition comprising:
 - 5 a) at least 25% of a first monomer consisting of 2,4,6-tribromophenoxyethyl (meth)acrylate
 - b) less than 50% of a second monomer having a refractive index of at least 1.54;
 - c) at least one crosslinking agent; and
 - d) 1.5 pph to 5 pph of a photoinitiator having an absorbance greater than 0.5 at a
10 wavelength of at least 360 nm for a 0.10 wt-% acetonitrile solution with a path length of 1 cm.
2. The brightness enhancing film of claim 1 wherein the absorbance of the photoinitiator is greater than about 0.75 at a wavelength of at least 360 nm.
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3. The brightness enhancing film of claim 1 wherein the absorbance of the photoinitiator is greater than about 1 at a wavelength of at least 360 nm.
4. The brightness enhancing film of claim 1 wherein the absorbance of the photoinitiator
20 approaches zero at a wavelength of about 400 nm.
5. The brightness enhancing film of claim 1 wherein the photoinitiator forms two free radicals.
- 25 6. The brightness enhancing film of claim 5 wherein the photoinitiator comprises a monoacylphosphine oxide.
7. The brightness enhancing film of claim 1 wherein the second monomer has a refractive index of at least 1.59.
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8. The brightness enhancing film of claim 1 wherein the second monomer is a (meth) acrylate functional monomer.

9. The brightness enhancing film of claim 8 wherein a major amount of the second monomer has the structure



5 wherein R1 is hydrogen or methyl.

10. The brightness enhancing film of claim 8 wherein a major amount of the second monomer has the structure



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wherein R1 is hydrogen or methyl; and

L is a linking group selected from

- 15 linear C₂-C₁₂ alkyl groups;
 branched C₂-C₁₂ alkyl groups; and
 -CH₂CH(OH)CH₂-.

11. The brightness enhancing film of claim 1 wherein the crosslinking agent comprises a
 20 hexa-functional aromatic urethane oligomer.

12. The brightness enhancing film of claim 1 wherein the composition further comprises at least one non-halogenated (meth)acrylate-functional comonomer.

13. The brightness enhancing film of claim 12 wherein the at least one non-halogenated (meth)acrylate-functional comonomer is present in the composition in an amount ranging from about 10 wt-% to 15 wt-%.

14. An article comprising the brightness enhancing film of claim 1 and a second optical film in contact with the brightness enhancing film.

15. The article of claim 14 wherein the second optical film is a diffuser.

16. The article of claim 14 wherein the second optical film is an absorbing polarizer.

17. The article of claim 14 wherein the second optical film is a reflective polarizer.

18. The article of claim 14 wherein the second optical film comprises a prismatic structure.

19. A brightness enhancing film comprising the reaction product of a composition comprising:

a) at least 25% of a first monomer consisting of 2,4,6-tribromophenoxyethyl (meth)acrylate;

b) less than 50% of a second monomer having a refractive index of at least 1.54;

c) at least one crosslinking agent; and

d) 0.75 wt-% to 3.0 wt-% of a bisacylphosphine oxide photoinitiator.

20. An article comprising the brightness enhancing film of claim 19 and a second optical film in contact with the brightness enhancing film.

21. The article of claim 20 wherein the second optical film is a diffuser.

22. The article of claim 20 wherein the second optical film is an absorbing polarizer.

23. The article of claim 20 wherein the second optical film is a reflective polarizer.

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24. A polymerizable resin composition comprising:

a) at least 25% of a first monomer consisting of 2,4,6, tribromophenoxyethyl (meth)acrylate

b) less than 50% of a second monomer having a refractive index of at least 1.54;

10 c) at least one crosslinking agent; and

d) 1.5 pph to 5 pph of a photoinitiator having an absorbance greater than 0.5 at a wavelength of at least 360 nm for a 0.10 wt-% acetonitrile solution with a path length of 1 cm or 0.75 wt-% to 3.0 wt-% of a bisacylphosphine oxide photoinitiator.

15 25. An optical material comprising the reaction product of claim 24.

26. The optical material of claim 24 wherein the material is a film.

27. The optical material of claim 24 wherein the film comprises a microstructured surface.

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